

Title (en)

FIELD DEVICE WITH SELF-TESTING OF A PIEZOELECTRIC TRANSDUCER

Title (de)

FELDGERÄT MIT SELBSTPRÜFUNGUNG EINES PIEZOELEKTRISCHEN WANDLERS

Title (fr)

APPAREIL DE TERRAIN AVEC AUTOTEST D'UN TRANSDUCTEUR PIÉZOÉLECTRIQUE

Publication

**EP 2805142 A1 20141126 (EN)**

Application

**EP 12729722 A 20120528**

Priority

- IN 175DE2012 A 20120120
- IB 2012052656 W 20120528

Abstract (en)

[origin: WO2013108086A1] An industrial process field device having a piezoelectric transducer performs self-testing of the condition of the piezoelectric transducer during a self-test mode. A charging current is supplied to the piezoelectric transducer, and voltage on the piezoelectric transducer as a result of the charging current is monitored. A diagnostic test result indicating condition of the piezoelectric transducer is produced based on the magnitude of the voltage.

IPC 8 full level

**G01L 27/00** (2006.01); **G01D 3/08** (2006.01); **G01D 21/00** (2006.01)

CPC (source: EP RU US)

**G01D 3/08** (2013.01 - EP US); **G01L 27/00** (2013.01 - RU); **G01L 27/007** (2013.01 - EP US); **G01R 31/58** (2020.01 - US)

Citation (search report)

See references of WO 2013108086A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2013108086 A1 20130725**; AU 2012366764 A1 20140807; AU 2012366764 B2 20150409; CA 2860585 A1 20130725; CA 2860585 C 20190226; CN 104081176 A 20141001; CN 104081176 B 20160824; EP 2805142 A1 20141126; EP 2805142 B1 20190206; IN 175DE2012 A 20150821; JP 2015504169 A 20150205; JP 6186651 B2 20170830; RU 2014130117 A 20160220; RU 2586823 C2 20160610; US 2014320154 A1 20141030; US 9310412 B2 20160412

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